

## Abstract:

A touch control display screen with built-in membrane antenna array lattice electromagnetic induction layer, including at least a display screen and a shell; wherein an induction layer is provided in the rear of the display screen, the output of the induction layer is connected to an induction control circuit, a display screen control circuit is also provided in the shell; the induction layer is the antenna array printed on the insulation membrane and arranged along the X, Y axes, therein the area enclosed by each lattice unit constitutes one induction cell. Because the electromagnetic induction layer is provided in the rear of the display screen and flexible membrane-type, printed electromagnetic induction array antenna is used as the identifying induction component according to the present invention, the manufacture is easy, the cost is low, and the advantage in cost-cut is prominent in comparison with the prior art when the area of the display screen is larger. The accuracy of identification is high, and the mouse information or handwriting information can be input exactly by means of brush strokes of finger strokes; as a touch screen, the display screen is covered by a protecting film to avoid the physical damage, so it has long operating life.